

DS3 Programme Status Update

10th September 2013

General

- There is major re-planning of all DS3 workstreams currently underway. This will result in an update of the programme plans and revision of the current List of Deliverables.
- The CER published a [proposed decision](#) on the Ireland Grid Code RoCoF modification (MPID 229) on 28/06/2012. The proposed decision was open for consultation until 09/08/2013.
- On 27/08/2013 URegNI issued their [proposed decision](#) on the Northern Ireland Grid Code RoCoF modification. The consultation period for the proposed decision is open until 27/09/2013.
- The SEM Committee released their first [proposed decision](#) on the TSO Recommendations on System Services on 03/09/2013. This proposed decision is open for consultation until 11/10/2013.
- A Joint Grid Code Working Group meeting was held on 30/07/2013. The TSOs presented on the Dynamic Models modifications and provided an update on the CER's proposed RoCoF decision.

Status

Workstream	Commentary
Communications	<ul style="list-style-type: none"> • Performance Monitoring industry briefing sessions took place in Belfast on 06/06/2013 and in Dublin on 11/06/2013. • DS3 Voltage Control and SmartGrids presentations were provided by EirGrid at the 2013 Renewables Integration Symposium in Germany in June. • A DS3 presentation was provided by EirGrid at the 2013 International Flow Battery Forum in Dublin in June. • A Demand Side Unit Operator workshop was held on 23/07/2013. There were over 30 attendees. A copy of the slides presented at the event can be found here. • A DS3 presentation was provided by EirGrid at the IEEE Power and Energy General meeting in Vancouver, Canada which took place in July. • Jon O'Sullivan presented to EPRI on Wind Integration via webinar on 14/08/2013.
System Services	<ul style="list-style-type: none"> • The TSOs presented their Recommendations Paper to the SEM Committee on 25/06/2013. • A System Services Industry Forum took place on 26/06/2013. The contents of the TSO Recommendations Paper were outlined. • On 03/09/2013 the SEM Committee released their first proposed decision on the TSO Recommendations. This proposed decision is open for consultation until 11/10/2013. • There has been substantial interest from a number of different technology providers regarding their potential to earn revenue from the provision of the proposed new System Services.
RoCoF	<ul style="list-style-type: none"> • The CER published a proposed decision on the Ireland Grid Code RoCoF modification (MPID 229) on 28/06/2012. The consultation period for the

	<p>proposed decision closed on 09/08/2013.</p> <ul style="list-style-type: none"> On 27/08/2013 URegNI published their proposed decision on the Northern Ireland Grid Code RoCoF modification. This proposed decision is open for consultation until 27/09/2013. The proposed decision from URegNI broadly aligns with the decision from the CER. The reprogramming of the RoCoF workstream will reflect the proposed RoCoF decisions in Ireland and Northern Ireland.
Grid Code	<ul style="list-style-type: none"> An ESBN Distribution Code Review Panel meeting took place on 18/06/2013. The Wind Farm Distribution Code modifications for Type A and Type B wind farms were recommended for approval. Further work needs to be done on the modifications for Type C, D and E wind farms. The Wind Farm Power Station Settings Schedule is currently with URegNI for decision. A Joint Grid Code Working Group meeting took place on 30/07/2013. The TSOs presented on the Dynamic Models modifications followed by discussion. The modifications will be brought to both GCRP meetings on 11/09/2013. The TSOs also provided an update on the CER's proposed RoCoF decision. A copy of the presentations and meeting minutes are available online. The Grid Code Review Panel and Joint Grid Code Review Panel meetings take place on 11/09/2013. The Network Code Adoption Team has been set up outside of the DS3 workstream. This team will work on incorporating future network code requirements into the Grid Codes. The next ESB Networks Distribution Code Review Panel meeting has been rescheduled for 25/09/2013. The NIE Distribution Code Review Panel meeting will be held on 19/09/2013.
DSM	<ul style="list-style-type: none"> The Ireland and Northern Ireland Grid Code Demand Side Unit modifications are currently awaiting decision from the RAs. A Demand Side Unit Operator workshop took place on 23/07/2013. There were over 30 attendees. The presentations can be found here. A new pilot Secure ICCP communications mechanism between DSU Control Centres and the NCC has been fully implemented. Currently waiting on customer to become operational to begin a trial period.
Voltage Control	<ul style="list-style-type: none"> A meeting regarding Voltage Control took place between SONI/EirGrid and NIE on 25/07/2013. The TSOs have presented proposals on a programme of work and governance structure with the DSOs and are seeking agreement. A director-level meeting with NIE and ESBN is scheduled for the 19/09/2013 with the aim of agreeing on the work plan and governance structure. A pilot PV study of the Donegal region has been completed. The results will be presented at the Advisory Council meeting on 25/09/2013.
Frequency Control	<ul style="list-style-type: none"> An audit on the settings of frequency and voltage protection devices in Ireland and Northern Ireland has been conducted. The initial results have been compiled into a matrix which will feed directly into the Frequency and Voltage control workstreams. The TSOs are currently awaiting feedback from the OEM in relation to data feeds required for testing the frequency regulation capability of a wind farm. The testing arrangements have been agreed and testing is due to commence shortly.
Control Centre Tools	<ul style="list-style-type: none"> The TSOs received a commercial offer from Alstom for the Wind Dispatch Tool.

& Capability	<ul style="list-style-type: none"> • The short circuit analysis tool is currently undergoing initial testing. Upon completion a detailed test plan will be prepared for full user and validation testing. • There has been a delay in the wind forecasting accuracy calculations. The TSOs will begin to conduct these calculations in the next three months when sufficient data is available.
Model Development & Studies	<ul style="list-style-type: none"> • Testing is underway on enhancements to the WSAT generic wind farm models which include frequency control, emulated inertia, slow active power recovery following faults and voltage control modes. • The All-Island Minimum Generation and Voltage Dip-Induced Frequency Dip studies are in progress.
WSAT – Wind Security Assessment Tool	<ul style="list-style-type: none"> • The acceptance criteria for extended All-island WSAT have been signed off. • The report comparing the all-island TSAT system model to actual frequency events is complete. Further work is needed on this report in terms of using high-speed PMU data instead of 1-second PMR data. • The all-island on-line WSAT Performance report is complete and has indicated improved performance over the previous WSAT version.
Renewable Data	<ul style="list-style-type: none"> • The 2012 Curtailment Report has been approved by the RAs and is published on both the EirGrid and SONI websites. • The All-Island Renewable Connection Report - 36 Month Forecast (Q1 2013) was published on the EirGrid website and can be found here. The Q2 2013 forecast is due to be published in September. • A meeting was held with industry on 10/07/2013 to review the template of the RES Curtailment Report. The comments and suggestions proposed by industry have been taken into consideration. The report is expected to be finalised by late September.
Performance Monitoring & Testing	<ul style="list-style-type: none"> • The Enhanced Performance Monitoring Workshops were held in Belfast on 06/06/2013 and in Dublin on 11/06/13. The presentations are available here. Work is ongoing on the delivery of the enhanced performance monitoring system.